

SIO Shipyard Representative Bi-Weekly Progress Report		
Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
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1. Meetings:

- i. Attended weekly conference call
- ii. Builders Trials on Armstrong

2. The following Shipyard Question Submittals were reviewed and commented on:

No questions this reporting period.

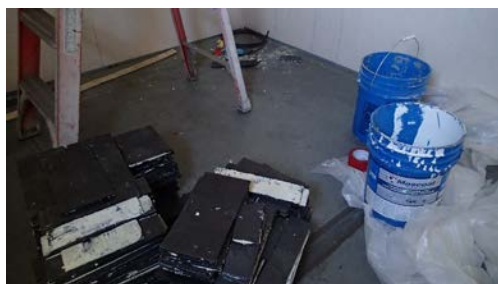
3. Logistics:

- i. Continuing to work on initial outfitting lists for Sally Ride.
- ii. Working on NS5 Hierarchy

4. Operator Concerns:

- **Tuff-Mass MLV and Acoustic Tiles** – The yard is continuing to install the Quad-zero MLV in various locations throughout Sally Ride. DCI is holding off on installing any new insulation in the machinery spaces where dampening tiles are still exposed. Last week, DCI removed the dampening tiles below the Anti-Roll Tank at the 01 Deck overhead. The tiles have been replaced with several coats of Delta-db. This was done so that the area could be finished without risk of having to remove the dampening tiles after compartment completion. The removal of the dampening tiles required great effort and the use of a pneumatic chisel do to the superior of the tile cement.

Removed Tile & Overhead

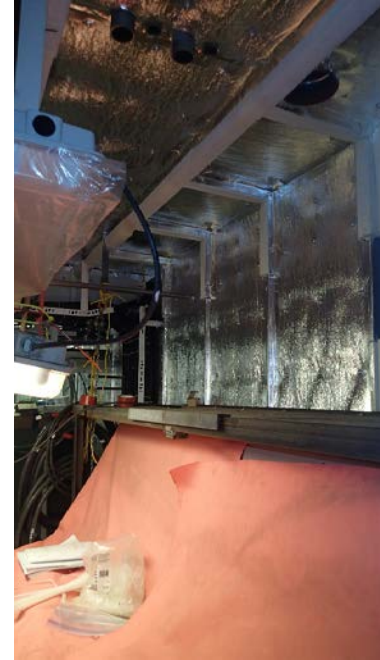


Delta-db

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- **Sally Ride Quad-Zero MLV** – The yard continues to install the Quad-Zero in location with no sound dampening tiles. This includes the Main Engine Space overhead and aft bulkhead as well as the MCS. The Quad-Zeros is not well suited for the MCS as it is very bright and the fit in finish is not very appealing when compared to Armstrong's MCS. Covering the foil surface with white perforated sheet metal is recommended.

Ride MCS



Armstrong MCS



- **Ship Service Diesel Generator Emergency Shutdowns** – This issue remains open and must be retested to prove that it works.
- **Main Deck Noise Levels** – DCI is currently fabricating stainless steel baffles for insertion at each exhaust outlet.

- **Side & CTD Handling Systems** – Dockside testing of Armstrong's CAST6 winches and their associated handling devices revealed that when either Handling Device is deployed, the cable goes hard up against the retaining pin at the top of the outboard turning block. Markey is working on a fix that may include an additional block above and slightly outboard. The yard informs that the fix proposed by Markey is \$75k for two ship sets of sheaves and pedestals or four each. Other solutions may be under consideration.



- Main Deck Vent Closures – Issue remains open. New drawing/proposal from DCI/GPA is forthcoming. Rumor is that the large exhaust outlet from the traction winch room will be changed to a gooseneck with hinged cover.
- Load Shedding – Awaiting verification that the necessary cables and shut trips have been installed.
- SSHD Controls – Waiting to see how this issue is addressed by Markey/Systems Interface. A CTD LARS/SSHD Handling selector switch has not been installed in the Aft Control Station as yet.
- Main Crane Towing & Coring Crutch – The crutch assembly being provided by Allied Systems needs to be demonstrated to prove that it can be used in a safe and practical way.
- Reach Rods – DCI has agreed to install reach rods to the two 10-inch sea valves at the starboard sea chest. An additional reach rod may be required on the 6-inch deicing line and the emergency fire pump sea chest valves.

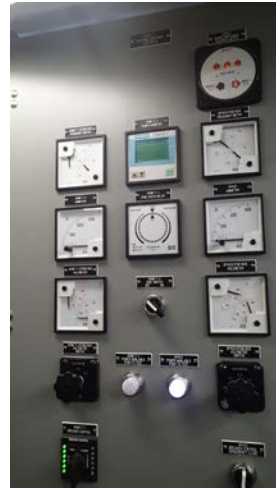
5. Sally Ride Progress:

- Load Bank Testing - DCI is working towards the week of May 18 to begin load bank testing of the four SSDG's and the EDG. The necessary electrical and piping systems are being prepped towards this end.
- Fuel Service Piping – DCI is flushing the fuel service lines to the SSDG's and EDG. The piping loops to the day tanks and each engine have been completed, with the yard moving on to the purifier and EDG loops today. The flushing medium is hydraulic oil at a temperature of 140-160-deg. F. 3 and 10 micron inline filtration in place. At the completion of each loop, a sample is drawn for testing at a commercial lab for verification of cleanliness.



- Central Fresh Water Piping – Pressure testing and repair of minor leaks continues in preparation for flushing.

- Shore Power – The shore power panel has been energize and is feeding the 480-volt switchboard. Distribution to other system limited.



- Deck Machinery Hydraulic Piping – Piping runs to service both Side Handling Devices are near completion. Fitters have started the piping runs to the stern frame.



- Aft Control Room – Duct work is in. Interior prepped and painted, ready for finish work and equipment installation.



- Engine Room Quad-Zero – The overhead application of the Q-zero is moving rapidly. I have some concern that the foil tape may not stick to the white insulation material over the long term.



6. Call-outs:

Sally Ride:

Fuel Oil Service Pipe Flushing – flushing multiple loops with hot hydraulic oil. Sample taken for each loop and sent out for testing.

Misc. Foundations with ABS in attendance

7. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A031-03	STD Report - TEST PROCEDURES (573-003-3 Hydrographic & SSHD Winches Operational Tests Dockside Draft Rev-)(R/ASR)	249/0
AGOR27	A031-04	STD Report - TEST REPORT (555-007-3 Blowdown & Op. Test of CO2 Syst. for Hazmat Lockers & Stern Thruster Rm)(R/ASR)	138/0
AGOR27	A031-04	STD Report - TEST REPORT (541-002-3 Fuel Oil Quick Closing Valve Operation)(R/ASR)	140/0
AGOR27	A031-04	STD Report - TEST REPORT (528-001-3 Leak Check, Operational & Unobstructed Flow of Sanitary Drains System)(R/ASR)	142/0
AGOR27	A031-04	STD Report - TEST REPORT (443-001-3 Ship's Whistle Demonstration)(R/ASR)	144/0
AGOR27	A031-04	STD Report - TEST REPORT (655-001-3 Laundry Equipment Washer Test Procedure)(R/ASR)	148/0
AGOR27	A032-06	STD Report - AIRBORNE NOISE SURVEY REPORT (Airborne Noise Survey Report)	1/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (314-001-3 Scientific UPS Operation Test Rev-)(R/ASR)	255/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#550 DI-055 (TM) for 202e Siemens CBMS System Manual)(R/ASR)	1095/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#551 DI-055 (TM) for 244 Craft Bearing Self-Aligning Split Roller Bearing)(R/ASR)	1097/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (#08 DI-058 Instructor Guide for Bronswerk Marine (2 Drawings / 1 Guide / 1 Letter))(R/ASR)	18/0
AGOR27	A059	STD Report - STUDENT GUIDES (#17 DI-059 Student Guide for Bronswerk Scientific Refrigeration)(R/ASR)	31/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (623-001-3 Accommodation Ladder Test Rev-)(R/ASR)	253/0
AGOR27	A027-11	DWG Report - FIRE CONTROL PLAN (AutoCAD)(R/ASR)	2/2
AGOR27	A031-03	STD Report - TEST PROCEDURES (593-001-3 MSD System Operational Test)(R/ASR)	247/0
AGOR27	A031-04	STD Report - TEST REPORT (264-001-3 Lube Oil Transfer System Operational Test)(R/ASR)	126/0
AGOR27	A031-04	STD Report - TEST REPORT (264-002-3 Waste Oil & Oily Waste Systems Operational Test)(R/ASR)	128/0

AGOR27	A031-04	STD Report - TEST REPORT (094-001-6 Dock Trials)(R/ASR)	150/0
AGOR27	A031-04	STD Report - TEST REPORT (DP Trials K-Pos CAT)(R/ASR)	152/0